



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		<b>P. E. S. COLLEGE OF ENGINEERING, MANDYA</b>
Name of the head of the Institution		<b>Dr. H. V. Ravindra</b>
Designation		<b>Principal</b>
Does the Institution function from own campus		<b>Yes</b>
Phone no/Alternate Phone no.		<b>08232-220043</b>
Mobile no.		<b>9986025372</b>
Registered Email		<b>principal@pesce.ac.in</b>
Alternate Email		<b>mailhovera@gmail.com</b>
Address		<b>P.E.S. College of Engineering, K V Shankaragowda Road, Mandya</b>
City/Town		<b>Mandya</b>
State/UT		<b>Karnataka</b>
Pincode		<b>571401</b>

<b>2. Institutional Status</b>																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	01-Aug-2008																		
Type of Institution	Co-education																		
Location	Semi-urban																		
Financial Status	state																		
Name of the IQAC co-ordinator/Director	Dr. Shivalinge Gowda																		
Phone no/Alternate Phone no.	08232220043																		
Mobile no.	9449679429																		
Registered Email	iqac@pesce.ac.in																		
Alternate Email	sgowdapesce@yahoo.com																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.pescemandya.org/IQAC.php">http://www.pescemandya.org/IQAC.php</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.pescemandya.org/calender.php">http://www.pescemandya.org/calender.php</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B++</td> <td>2.99</td> <td>2018</td> <td>16-Aug-2018</td> <td>15-Aug-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B++	2.99	2018	16-Aug-2018	15-Aug-2023
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B++	2.99	2018	16-Aug-2018	15-Aug-2023														
<b>6. Date of Establishment of IQAC</b>	16-Nov-2016																		
<b>7. Internal Quality Assurance System</b>																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries																
Revision of curriculum for Choice Based Credit	04-Aug-2018 1		25																

System with OBE & elective courses for UG programs		
Applying for NIRF	30-Nov-2018 1	25
Preparation of PESCE: IQAC	19-Jan-2019 1	27
Formation of IQAC committee as per the New guidelines of NAAC & Discussion about plan of action on Peer team report	30-Mar-2019 1	29
Discuss about NBA accreditation for other UG programmes and conduction of Pedagogy training programmes	30-Mar-2019 1	29
Academic Administrative Audit (AAA) conducted and its follow up action are discussed	15-Sep-2018 1	141
Analysis of Feedback from the Students on Faculty and action taken for the improvement	15-Jun-2019 1	207
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**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
PES College of Engineering	TEQIP2	MHRD/ World Bank	2017 5	10000000
PES College of Engineering	TEQIP-3	MHRD/ World Bank	2018 3	77000000
Dr. M. C. Padma	Project	VGST	2015 4	2000000
Dr. S L Ajit Prasad	Project	AICTE	2017 3	1000000
Dr. Minavathi	Project	VGST K-FIST LEVEL (1)	2017 3	2000000
Mr. M J Anand	Project	VGST (SMYSR)	2017 3	500000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>	
<ul style="list-style-type: none"> <li>• Infrastructure - PESCEIQAC suggested providing new equipments for the laboratories, thereby our students are exposed to new technology.</li> </ul>	
<ul style="list-style-type: none"> <li>• Teaching Learning - Faculty are encouraged to use ICT facilities for better Teaching - learning and are motivated to interact with students by seminars, group discussions, test etc, and faculty have undergone one week pedagogy training at IIT, Madras.</li> </ul>	
<ul style="list-style-type: none"> <li>• Academic audit - Every Year, Academic Audit was conducted by a committee and encourage the faculty to improve their performance and motivated them to carry research, apply for project proposals and acquire Ph.D.</li> </ul>	
<ul style="list-style-type: none"> <li>• Motivation - Faculties are motivated by providing financial support for the submission of research papers in reputed Journals, Research experience during Ph.D and participating in various FDPs, Seminars, Conferences etc.,</li> </ul>	
<ul style="list-style-type: none"> <li>• Training &amp; Placement Centre - Through TPC, Soft skill and various training programs are conducted for the students from I- Sem to VI - Sem to enable them to get placed in reputed companies</li> </ul>	
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<b>13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year</b>	
Plan of Action	Achivements/Outcomes
a. Revision of syllabus for B.E. programmes with inclusive of Elective courses and soft skill training programmes	a. Revision of syllabus and inclusive of elective courses are done and soft skill training programmes are introduced as credit courses from 1st to 6th Sem of B.E programmes
b. Encourage to take up Internship in	b. Increases in industry internship and

reputed companies and innovative projects	projects from industry through industry-institute interaction programs conducted
c. Proposal for nirf ranking	c. 161th rank is achieved from nirf from MHRD during 2019
d. Progress regarding Results and Research work as well as placement	d. Significant improvements in results, research through publication of papers and producing Ph,Ds and students were placed in reputed companies.
e. Submission of pre-qualifier for the rest of the programmes for NBA accreditation	e. Discussion are made to prepare the Pre-qualifier for two UG and few PG programmes
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
Academic Council Meeting (ACM)	28-Oct-2019

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes
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Date of Visit	27-Aug-2019
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
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Year of Submission	2019
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Date of Submission	11-Feb-2019
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<b>17. Does the Institution have Management Information System ?</b>	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>a) eCAP software: MIS in PESCE works on ecap software which is used in managing the student's admission details. The information collected by the student will be stored and secured in a centralised server for further access and process. Details of students includes' the name of the student, student ID, student previous records details like year of passing, pre university board details, parents details admission details, category and branch to which he/she is admitted to.</p> <p>b) KOHA Open source software : In the department of library and information</p>
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centre Koha Open source software is used since 2017. Koha is the first free software library automation package. KOHA'S feature set continues to evolve and expand to meet the needs of its user base. In our library, KOHA is a true enterprise class ILS with comprehensive functionality including basic and advanced options. Koha includes modules for acquisitions, circulation, cataloguing, serials management, authorities, flexible reporting, label printing, multifunction notices, offline circulation for when Internet access is not available, and much more. KOHA will work for consortia of all sizes, multibranch, and singlebranch libraries. KOHA has a large number of available languages, with more languages every year. Library Standards Compliant. Koha is built using library standards and protocols such as MARC 21, UNIMARC, z39.50, SRU/SW, SIP2, SIP/NCIP, ensuring interoperability between KOHA and other systems and technologies, while supporting existing workflows and tools. Webbased Interfaces. KOHA'S OPAC, circ, management and selfcheckout interfaces are all based on standardscompliant World Wide Web technologies-XHTML, CSS and JavaScript -making KOHA a truly platformindependent solution. Free Software / Open Source. Koha is distributed under the Free Software General Public License (GPL) version 3 or later. c) The autonomous examination software: It is well maintained by the office of the Controller of Examinations. This software fulfils requirements of the examination process as listed below. • The registration of the students, Student attendance and Continuous Internal Evaluation (CIE) marks has been done through this application it is used only for examination purpose. • Semester End Examination marks are entered through online from data entry operators. • Results are compiled based on CIE and SEE marks. SEE marks are reduced to 50 marks and other 50 marks for CIE. Final marks is calculated total of 100 marks for each subject. • Result sheets are generated and declared by considering the validated data. Grade Cards are generated through application contains

necessary information along with security features. • Course Completion certificates, Transcripts and Provisional Degree Certificates are generated based on the PESCE examination regulations. • Semester wise, branch wise, subject wise result analysis are done through this software.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

##### 1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	AUE	P18AU (3rd and 4th Sem) P17AU (5th and 6th Sem)	10/06/2019
BE	CVE	P18CV** (3rd and 4th Sem) P17CV** (5th and 6th Sem)	27/04/2019
BE	CSE	P18CS** (3rd and 4th Sem) P17CS** (5th and 6th Sem)	03/05/2019
BE	ECE	P18EC** (3rd and 4th Sem) P17EC** (5th and 6th Sem)	04/04/2019
BE	EEE	P18EE** (3rd and 4th Sem) P17EE** (5th and 6th Sem)	30/07/2019
BE	IPE	P18IP** (3rd and 4th Sem) P17IP** (5th and 6th Sem) P15IP** (7th and 8th Sem)	08/06/2019
BE	ISE	P18IS** (3rd and 4th Sem) P17IS** (5th and 6th Sem)	19/03/2019
BE	ME	P18ME** (3rd and 4th Sem) P17ME** (5th and 6th Sem)	15/05/2019
Mtech	MECE, MCAD, MCIM, MMDN, MCSE, MCEN	P18** (1st Sem to 4th Sem)	04/08/2018
MCA	MCA	P18** (1st Sem to 6th Sem)	27/03/2018

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##### 1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with	Programme	Date of Introduction	Course with Code	Date of Introduction
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Code	Specialization			
BE	AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	01/08/2018	Elementary English and Persona Evolution (EEPE) P18HU18	01/08/2018
BE	AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	01/08/2018	Advanced English and Persona Evolution (AEPE)- P18HU28	15/01/2019
BE	AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	01/08/2018	Aptitude Competence and Professional Augmentation - I (ACPA- I)- P18HU39	01/08/2018
BE	AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	15/01/2019	Aptitude Competence and Professional Augmentation - II (ACPA- II)- P18HU49	15/01/2019
BE	AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	01/08/2018	Professional and Efficient Avocation - I (PEA - I)- P18HU59	01/08/2018
BE	AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	15/01/2019	Professional and Efficient Avocation - II (PEA - II)- P18HU69	15/01/2019
BE	AUE	15/01/2019	Measurement and Metrology - P18 AU 45	15/01/2019
BE	AUE	15/01/2019	Automotive Electricals and Autotronics Lab -P17AU L68	15/01/2019
BE	CSE	01/08/2018	Data Structures -P17CS33	01/08/2018
BE	CSE	01/08/2018	Networks Laboratory- P15CSL77	01/08/2018
BE	ECE	01/08/2018	Digital Electronic Circuits (CC-3)- P17EC33	01/08/2018
BE	ECE	01/08/2018	Computer Communication & Protocol	01/08/2018



			laboratory- P15ECL77	
BE	EEE	15/01/2019	Microcontrollers P18EE43	15/01/2019
BE	EEE	15/01/2019	Renewable Energy Source- P15EE81	15/01/2019
BE	IPE	15/01/2019	Mini Project- P17IP69	15/01/2019
BE	IPE	15/01/2019	Aptitude and Reasoning Development Expert (ARDE)-P17IP610	15/01/2019
BE	ISE	01/08/2018	Object Oriented Programming with Java- P18IS36	01/08/2018
BE	ISE	15/01/2019	Internet of things Lab- P15ISL68	15/01/2019
BE	ME	15/01/2019	Mechanical measurements & Metrology- P18ME43	15/01/2019
BE	ME	01/08/2018	Hydrolics & Pneumatics- P15ME742	01/08/2018
BE	CVE	01/08/2018	VII Sem Project	01/08/2018
BE	CVE	01/08/2018	Field Surve	01/08/2018
MCA	MCA	01/08/2018	Introduction to Web Technologies-P18MCA15	01/08/2018
MBA	MBA	01/08/2018	Effective Communication Development (ECD) -P19MBA18	01/08/2018
MBA	MBA	15/01/2019	Professional Communication Development (PCD) -P19MBA29	15/01/2019
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## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Even Sem - All B E Programmes	02/01/2019

BE	Odd Sem - All B E Programmes	13/08/2018
BE	III,V,VII Sem - All B.E Programmes	14/07/2018
Mtech	I. M. Tech	09/10/2018
Mtech	II M. Tech	02/01/2019
Mtech	III M. Tech	14/07/2018
Mtech	IV M. Tech	31/12/2018
MBA	I. MBA	09/10/2018
MBA	II &IV MBA	02/01/2019
MBA	III MBA	14/07/2018
MCA	I. MCA	09/10/2018
MCA	II & IV MCA	02/01/2019
MCA	III & V MCA	14/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	AUE, CVE, CSE, ECE, EEE, IPE, ISE, ME	01/08/2018

### 1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
P18HU18 Effective Communication Development (ECD)	09/07/2018	643
P18HM19 Indian Constitution, Human Rights Professional Ethics (ICHRPE)	09/07/2018	643
P18EV19 Environmental Studies	09/07/2018	643
P18HM110 Language (Kan.)	09/07/2018	643
P18HU39 Aptitude and Reasoning Development Basics (ARDB)	09/07/2018	745
P18HU49 Aptitude and Reasoning Development Intermediate (ARDI)	09/07/2018	745
P18XXX58 Skill Oriented Laboratory I	09/07/2018	732
P18HU59 Aptitude and Reasoning Development Advance (ARDI)	09/07/2018	732

P18HU58 Technical Skills I	09/07/2018	732
P18XXX68 Skill Oriented Laboratory	09/07/2018	732
P18HU69 Technical Skills II	09/07/2018	732
P18XX83 Internship	09/07/2018	673
P18XX85 Selfstudy course Seminar	09/07/2018	673
P18XX78 - Project work phase -I P18XX84 - Project Work Phase II	09/07/2018	673
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	AU : Internships	28
BE	CV : Field Projects	146
BE	CS : Projects	45
BE	EC : Internships	105
BE	EE : Internships	161
BE	IP : Internships Projects	13
BE	ME : Internships Projects	279
Mtech	PG : Projects	18
MBA	PG - MBA : Internships	58
MCA	PG - MCA : Projects (Viva-Voce)	84
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### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

#### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The feedback obtained from all its stakeholders are reviewed and incorporated for all the department of the institute through institute established system. The system shall ensure development of curriculum for effective implementation through well planned system. Curriculum Design and Development Process is

evolved from Institute Department's Vision Mission, Program Educational Objectives (PEOs) Program Specific Outcomes (PSOs), Course Curriculum COs (Department) POs with the input of Academic Advisory Committee (AAC) Feedback from Stakeholders. This has to be endorsed by Board of Studies (BoS), Dean Academic Office (DAO) Academic Council and finally approved by Governing Council for implementation. Students: Feedback is taken from the students at the end of each semester for each subject as course end survey. The same is reviewed and necessary corrective measures will be taken, if necessary. Further, the feedback is also taken during students' counselling meetings. Teachers: Feedback from the teachers is taken during the staff meetings at the department level as well as during BoS meetings. The Head of the Department (HoD) discuss the same at the HoDs/ Academic Advisory Committee. The outcome of the discussion is conveyed to the faculty members as well as to the office of academic Dean. Employers: Employers are requested to give the feedback regarding the curriculum during Syllabus revision. This will take place during the conduction of BoS meetings at the department level as Industry experts are invited as BoS members for revision/reform/inclusion of the course/syllabus contents at BoS meetings. After lot of deliberations at Academic Advisory Committee and BoS, the revised syllabus will be approved at the Academic council meetings. Alumni: Alumni are requested to give the feedback regarding the curriculum during Syllabus revision. This will take place during the conduction of BoS meetings at the department level, as Alumni are invited as BoS members for revision/reform/inclusion of the course/syllabus contents at BoS meetings. Further, their inputs are also taken during the alumni meet. After lot of deliberations at Academic Advisory Committee and BoS, the revised syllabus will be approved at the Academic council meetings. Parents: Parents are requested to give their feedback during the parents meet which is conducted once in a year. Feedback is taken from them at the end of each year about courses also along with their wards academic performance survey. The same is reviewed and necessary corrective measures will be taken, if necessary. In total, with feedback from all the stakeholders, the curriculum for the respective program will be approved by the Academic Council with deliberations.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	AUE, CVE, CSE, ECS,EEE, IPE, ISE, ME	670	638	638
Mtech	MECE, MCAD, MCIM. MMDN, MCSE, MCEN	126	60	60
MBA	MBA	60	60	60
MCA	MCA	60	12	12

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### 2.2 – Catering to Student Diversity

#### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution	Number of fulltime teachers available in the institution	Number of teachers teaching both UG and PG courses
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			teaching only UG courses	teaching only PG courses	
2018	2793	349	170	37	72

## 2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
207	175	73	60	13	85
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes Mentoring system is active in our institution. Mentors will have interaction with the students and monitor their progress. Mentoring system bridges the gap between the teachers and students. This is adapted for the value additions to the students like Creation of a better environment in college, where students can approach teachers for both educational and personal guidance, Enhancement of knowledge base for both teachers and students alike, due to effective twoway communication. Motivation, Awareness and support to students for competitive examinations for higher studies/ Post Graduation or Civil Services examination like GATE, GRE, CAT, TOFEL and other Govt. PSUs examinations. Motivation, Awareness and support for entrepreneurship. Advice and support for improvement in academic performance. Ongoing process: Regular meetings are held between mentor and Students. A record/report is maintained for each student. This has both personal and academic data. Students are allowed to approach the mentor for both academic personal problems. Personalized/individual professional /career advice is given to the each student. Further, ? Every student will be under the guidance and care of a facultymentor who will become local guardian for that student. ? In all the departments, each faculty is assigned with 15 20 students (based on programme intake strength) for mentoring, in odd semester in each batch. ? Mentor helps the students for their academic and other progress and council them periodically. ? Mentor guides the students in selecting proper open elective subjects on their performance. ? Mentor guide the students to actively participate in softskill programs and placement activities conducted by training and placement centre. ? Mentor should guide the students to participate in cocurricular and extracurricular activities on their talents. ? The mentor will also discuss with the parents about the attendance and academic progress of their ward through the head of the department. ? The mentor will maintain the academic and other records such as sports, cultural, etc., of each student. Student mentoring plays a vital role in a student's life. Hence the students are advised to meet their mentor frequently and discuss their problems. Mentor also take care about the information on progress and achievements and are recorded in record book.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3142	207	1:15

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
207	207	Nil	10	53

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies

2019	Dr. S.L. Ajithprasad	Associate Professor	Best Teacher Award, Kannada Saithya Parisath
2018	Dr. B.S. Shivakumar	Associate Professor	Best ISTE Chapter Chairman, ISTE National faculty convention held at kottayam, Kerala
2019	Anand M. J	Assistant Professor	NPTL Certificate of Appreciation for the role as SPOC for the SwayamNPTEL Local Chapter
2019	Anand M. J	Assistant Professor	NPTL Certificate of Appreciation for the role as SPOC for the SwayamNPTEL Local Chapter
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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	AUE, CVE, CSE, ECS,EEE, IPE, ISE, ME	V Sem	05/01/2019	12/01/2019
BE	AUE, CVE, CSE, ECS,EEE, IPE, ISE, ME	VII Sem	02/01/2019	10/01/2019
BE	AUE, CVE, CSE, ECS,EEE, IPE, ISE, ME	II Sem	10/06/2019	19/06/2019
BE	AUE, CVE, CSE, ECS,EEE, IPE, ISE, ME	IV Sem	13/06/2019	21/06/2019
BE	AUE, CVE, CSE, ECS,EEE, IPE, ISE, ME	VI Sem	12/06/2019	20/06/2019
BE	AUE, CVE, CSE, ECS,EEE, IPE, ISE, ME	VIII	04/06/2019	15/06/2019
Mtech	MECE, MCAD, MCIM. MMDN, MCSE, MCEN	I Sem	30/01/2019	06/02/2019
Mtech	MECE, MCAD, MCIM. MMDN, MCSE, MCEN	II Sem	07/06/2019	15/06/2019

Mtech	MECE, MCAD, MCIM, MMDN, MCSE, MCEN	III Sem	20/12/2018	28/12/2018
Mtech	MECE, MCAD, MCIM, MMDN, MCSE, MCEN	IV Sem	07/06/2019	15/06/2019
MBA	MBA	I Sem	04/02/2019	09/02/2019
MBA	MBA	II Sem	12/06/2019	20/06/2019
MBA	MBA	III Sem	04/01/2019	12/01/2019
MBA	MBA	IV Sem	08/06/2019	20/06/2019
MCA	MCA	I Sem	30/01/2019	05/02/2019
MCA	MCA	II Sem	08/06/2019	17/06/2019
MCA	MCA	III Sem	05/01/2019	12/01/2019
MCA	MCA	IV Sem	10/06/2019	17/06/2019
MCA	MCA	V Sem	02/01/2019	12/01/2019
MCA	MCA	VI Sem	10/06/2019	17/06/2019
BE	AUE, CVE, CSE, ECS, EEE, IPE, ISE, ME	I Sem	08/01/2019	12/01/2019
BE	AUE, CVE, CSE, ECS, EEE, IPE, ISE, ME	III Sem	04/01/2019	10/01/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	3142	00

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.pescemandya.org/ug.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
AUE	BE	VII Sem	31	27	90.32
AUE	BE	VIII Sem	28	28	100
CVE	BE	VII Sem	143	143	100
CVE	BE	VIII Sem	143	142	99.30
CSE	BE	VII Sem	122	115	94.26
CSE	BE	VIII Sem	121	117	96.69

ECE	BE	VII Sem	140	137	97.86
ECE	BE	VIII Sem	139	139	100
EEE	BE	VII Sem	48	47	97.92
EEE	BE	VIII Sem	48	46	95.83
IPE	BE	VII Sem	37	37	100
IPE	BE	VIII Sem	37	36	97.29
ISE	BE	VII Sem	31	29	93.55
ISE	BE	VIII Sem	31	31	100
ME	BE	VII Sem	124	124	100
ME	BE	VIII Sem	123	121	98.37
CAD	Mtech	III Sem	17	17	100
CAD	Mtech	IV Sem	17	17	100
VLSI	Mtech	III Sem	12	12	100
VLSI	Mtech	IV Sem	12	12	100
Machine Design	Mtech	III Sem	15	15	100
Machine Design	Mtech	IV Sem	16	16	100
CS	Mtech	III Sem	14	14	100
CS	Mtech	IV Sem	14	14	100
CIM	Mtech	III Sem	3	3	100
CIM	Mtech	IV Sem	3	3	100
MBA	MBA	III Sem	55	55	100
MBA	MBA	IV Sem	55	55	100
MCA	MCA	V Sem	59	56	94.92
MCA	MCA	VI Sem	59	58	98.30
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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.pescemandya.org/survey.php>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes

Name of the teacher getting seed money

Dr. Vinay S T M Geethanjali Brahmesh S M Rakshith N Puttaswamy B S Dr. H V Ravindra K J Mahendra Babu Dr. S Gopiya Naik Dr. S Ghanaraja Ullas P Dr. S V Anilkumar Dr. H V Ravindra Sadashiva M R Manjunatha Dr. Nagarathna Dr. M L



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## 3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. S L Ajithprasad	Best Teacher Award	15/08/2019	Kannada Saithya Parisath
National	Dr. B.S. Shivakumar	Best ISTE Chapter Chairman	27/01/2018	ISTE National faculty convention held at Kottayam, Kerala

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## 3.2 – Resource Mobilization for Research

## 3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	3	AICTE	10	10
Major Projects	4	VGST	20	20
Major Projects	2	VGST(KFIST LEVEL(1))	20	10
Minor Projects	2	VGST(SMYSR)	5	5
Students Research Projects (Other than compulsory by the University)	1	World Bank (MHRD)	6.88	6.88

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## 3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

275000

## 3.3 – Innovation Ecosystem

## 3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Hakathon	CS	09/02/2019
Project Exhibition	All UG PG	13/06/2019
Vehicle Diagnosis	AU	03/08/2019
Industrial oriented Hardware design workshop	EC	01/12/2018

Being Innovative and Entrepreneur	EC	03/11/2018
IOT Based Electrical Technology	EE	02/07/2018
Applications of Lean Tools	IP	05/10/2018
Web Application Development using Node JS"	IS	15/04/2019
One Week Workshop: Blockchain technology and cloud computing using Amazon web service	MCA	21/01/2019
GIS remote Sensing Here Maps	CV	15/10/2018
Open road concept station	CV	18/09/2018
Heat Exchangers Design and Performance Evaluation in Power and Plants Process Industry	ME	11/06/2019
Research Literacy Academic Writing, EResources and Research Quality Indicators	Library	22/08/2018
Applications and Research Prospects of Thermodynamics	ME	16/02/2019
<a href="#">View File</a>		

### 3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
IOT application for agricultural electric cart	Samrat U Sandesh S Somayya Gangayya Mathapathi Vijayakumar S	PESCE, Mandya	14/06/2019	I Prize
Project on safe riding with nfc mode and antitheft mechanism	Changappa P B Meghanarajeshwari J R Mohith K R Narayana P	PESCE, Mandya	14/06/2019	II Prize
An experimental study on light transmitting concrete	Poornima D. Shailaja T Pooja H P Santosh G Sachidananda B	PESCE, Mandya	14/06/2019	I Prize
Reclaimed asphalt pavement	Spandana Varun s chavan Priyanka M	PESCE, Mandya	14/06/2019	III Prize

	Pawan H S Prathvini B M			
Virtual classroom using augmented reality	Kaushik arakalgud S Vasuki varuna Y R Shreyas H. N. Sinchana M hadli	PESCE, Mandya	14/06/2019	I Prize
Smart blind stick using IOT	Gowda tejas Harish M Mohammed ismail Khan S Prasanna	PESCE, Mandya	14/06/2019	II Prize
Smart security solution and adaptive street light	Kavyashree B K Anusha G K Divyashree L	PESCE, Mandya	14/06/2019	III Prize
Smart Mirror using Raspberry Pi 3	Akshaygowda C M Faisal Mahamood Tayaba Afshan Suraiya Sultana	PESCE, Mandya	14/06/2019	I Prize
Precise soil and water management using IOT	Bharath N Bharath U Dheeraj Upadhya Harshith N	PESCE, Mandya	14/06/2019	II Prize
Microcontroller Based Waste Segregator	Akshata Sajjan Lavanya C Madhushree K Pasupuleti Haripriya	PESCE, Mandya	14/06/2019	III Prize
Smart Helmet Based On IOT	Darshan C P Mahesh B Maqsood Shariff M Varun Bharadwaj V	PESCE, Mandya	14/06/2019	I Prize
OTP Based Lineman Security System	Thejaswini K P Sahana C M Kowsalya Meghana R N	PESCE, Mandya	14/06/2019	II Prize
Automatic Strategy To Control Entire Villager's Water Pumps With User Level Authentication	Thejas M G Priyanka K Spoorthi B C Manuja T S	PESCE, Mandya	14/06/2019	III Prize
Design And Fabrication Of Pneumatic Sheet Metal Shearing Machine	Akshay G R Deepak M Karthik M P Preetham	PESCE, Mandya	14/06/2019	I Prize
Design and	Lekha A	PESCE, Mandya	14/06/2019	II Prize

Fabrication of Savonius Vertical Axis Wind Turbine	Mythri S N Tejas S Yogesh N			
Liver segmentation and Tumour Detection	Varun Vasist G TrishuklSamuk haR Pruthvi P Alva Deepathi Raj	PESCE, Mandya	14/06/2019	I Prize
Design and Fabrication of LowCost Lake Weed Harvesting Machine	Pramod kumar M Pranav kumar N Prapulla chadan thayurkar Manoj murthy R Pramod kumar M	PESCE, Mandya	14/06/2019	I Prize
Fabrication of Conceptual Model of Intelligent Braking System	Sharvan singh J Somashekar M Somashekar S D Sudharshan K Nayak Sumanth S Supradeep Vasista R	PESCE, Mandya	14/06/2019	II Prize
Design and Fabrication of Multipurpose Agriculture Equipment	H B Puttuprasad Hemanthagiri S Inayate Ur Rehaman Jagadeesh A	PESCE, Mandya	14/06/2019	III Prize

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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Department of CSE	IOT Lab	Govt. of Karnataka	IOT Lab	Internet of things es tablishment	02/07/2018
Department of CSE	MSME	Govt. of India	MSME	Technical projects related to society	16/07/2018
Biofuel centre PESCE	Biofuel centre	Govt. of Karnataka	Biproducts	Production marketing of Bi products of Neem Pongamia Oil	29/07/2019

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### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Automobile Engineering	1

Civil Engineering	3
Computer Science Engineering	3
Electronics Communication Engineering	6
Electrical Electronics Engineering	3
Industrial Production Engineering	1
Mechanical Engineering	12
Mathematics	5

#### 3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	CSE	1	1.85
National	MCA	1	2.12
International	AUE	10	3.2
International	CVE	17	3.16
International	CSE	42	2.8
International	ECE	65	2.39
International	EEE	16	2.15
International	IPE	16	2.12
International	ISE	13	2.25
International	ME	60	2.49
International	MCA	65	2.08
International	MBA	10	2.13
International	Physics	4	2.15
International	Chemistry	4	2.17
International	Mathematics	10	2.99
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#### 3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ECE	4
AUE	3
CSE, ECE and EE E	1
ME	8
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#### 3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Single Wheeled SelfBalanced Electric Vehicle Shreyas G U, Fifth Semester Mechanical	Filed	CBR No. 19	12/07/2018

## 3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Studies on mechanical properties of banana fibre reinforced polyster composites	Anil Kumar, S.V., Gandhinathan, R.	AIP Conference Proceedings	2019	1	PES College of Engineering Mandya	2
Acetone and Diethyl ether: Improve cold flow properties of Dairy Washed Milkscum biodiesel	Srikanth, H.V., Venkatesh, J., Godiganur, S., Manne, B.	Renewable Energy	2019	1	PES College of Engineering Mandya	2
Performance Enhancement of Optimized Link State Routing Protocol for Health Care Applications in Wireless Body Area Networks	Chetan Kumar, V., Shiva Prakash, S.P., Balandin, S.	Conference of Open Innovation Association, FRUCT	2018	2	PES College of Engineering Mandya	4
Estimation and Comparison of Welding Performances in P GMAW using MRA and ANN for SS 304L Material	Addamani, R., Gurupavan, H.R., Ravindra, H.V., Ugrasen, G.	IOP Conference Series: Materials Science and Engineering	2019	1	PES College of Engineering Mandya	2
		Biofuels	2018	2	PES	4

BoxBehnken Response Surface Methodology for Optimization of Process Parameters for Dairy Washed Milk Scum Biodiesel Production	Srikanth, H.V., Venkatesh, J., Godiganur, S.				College of Engineering Mandya	
Diagnosis of Alzheimers disease using Naive Bayesian Classifier	Bhagya Shree, S.R., Sheshadri, H.S.	Neural Computing and Applications	2018	3	PES College of Engineering Mandya	6
Machined Surface Monitoring in Turning Using Histogram Analysis by Machine Vision	Chethan, Y.D., Ravindra, H.V., Krishne Gowda, Y.T.	Materials Today: Proceedings	2018	2	PES College of Engineering Mandya	4
Estimation and Comparison of Welding Performances using MRA and GMDH in PGMAW for ASTM 106 Material	Addamani, R., Ravindra, H.V., Ugrasen, G., Kumar, N.P., Darshan, C.S.	Materials Today: Proceedings	2018	1.5	PES College of Engineering Mandya	3
Experimental Investigations on Mechanical and Tribological Properties of Extruded Aluminium A356 AL	Kumar, M.S.A., Kumar, K.C.M., Prasad, S.L.A.	Materials Today: Proceedings	2018	1	PES College of Engineering Mandya	2

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Development of Prototype nose for detection of adulterants in raw milk	Dr.V.Sridhar	International Journal	2019	1.5	PES College of Engineering Mandya	3
Development of Verification Environment for I2C Controller Using System Verilog and UVM	Dr.V.Sridhar	International Journal	2019	1	PES College of Engineering Mandya	2
Study of Clustering Approaches in Wireless Sensor Networks	Revanesh, M., Sridhar, V., Acken, J.M.	Lecture Notes in Electrical Engineering	2019	1	PES College of Engineering Mandya	2
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#### 3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Ref. 3.4.5	PES College of Engineering Mandya	Scopus Indexed Journals	2019	4	36	PES College of Engineering Mandya
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#### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	12	28	25	7
Presented papers	44	23	Nil	7
Resource persons	Nil	1	2	Nil
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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year



Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Government and Nongovernment agencies	Geotechnical Engineering Laboratory, Concrete and Highway material testing laboratory, Basic Materials testing laboratory, Environmental Engineering Laboratory, Third Party Inspection, Stability and strength evaluation of buildings by Non destructive	Department of Civil Engineering	1077190
Govt. of Karnataka	Bio Diesel and Biproducs	BioFuel Centre	200000
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### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	0	0
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### 3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Student Induction Programme	IQAC, PESCE, Mandya	36	675
Swachh Bharat	ISTE, Youth Red Cross	30	400
International Yoga day	ISTE, Youth Red Cross	40	100
Voluntary Blood Donation Camp	ISTE, Youth Red Cross	40	184
Trekking camp	ISTE	2	50
A Quiz competition on "General Knowledge	ISTE, Youth Red Cross	2	310
Spark Tech Fest", a state level contest	TEQIP Phase3	2	75
Exposing the	P.E.S College of	3	30

secret of Miracles	Engineering		
NCC training	EME Centre	2	1
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Best Social service	Best Student of the chapter	Youth Redcross Wing	1
Art Service	Kalatapasvi	Mysuru sahithya Mattu Samskrutika Pratistaana	1
Served Flood affected Region at Kodagu	Rashtrapati Scout Award	President - Rastrapathi Bhavan, India	1
Blood Donation	Rolling Shield	Mandya District branch of Indian Redcross Society	216
Essay Competition Exposing of Secrete of Miracles	1st prize	ISTE	30
Spark Tech Fest	Prizes Adwars Prizes Quiz Prizes Poster design	PESCE Mandya	15
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Safety awareness	SAE INDIA, BENGALURU	Green wheeler for safe sustainable mobility	2	2
Women Empowerment	TEQIP3	Women Empowerment in Today's Era	10	300
International Yoga day	ISTE YRC	International Yoga day	15	100
Trekking	ISTE YRC	Trekking camp	10	52
Voluntary Blood donation camp	Red cross ISTE	Highest no. of units of blood collected at the blood donation camps	10	140
Swachh Bharat	ISTE YRC	Swachh Bharat	2	50
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT18)	121	World Bank MHRD	2
President Dean Academic Binghamton University, New York, USA	12	World Bank MHRD	2
Research Literacy Academic Writing, EResources and Research Quality Indicators	35	World Bank MHRD	1
Research Congregate2018	60	World Bank MHRD	1
Quality Control tools an Industrial Application	42	World Bank MHRD	1
Innovative Technical Projects Exhibition 2019	53	World Bank MHRD	1
Collaborative Research activities	100	World Bank MHRD	2
Google Cloud Career Readiness Faculty Event	105	World Bank MHRD	1
Startup unit of Bio Fuel products and Interaction	2	World Bank MHRD	2
Processing and application of composite materials (PACM)	65	World Bank MHRD	6
Recent Advances in VLSI Design and Handson with CADENCE tool	50	World Bank MHRD	5

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact	Duration From	Duration To	Participant

		details			
Internship	Student Internship	Friendly Motors Mysuru	18/06/2019	28/07/2019	01 Mohammed Azhar
Internship	Student Internship	Bharath Fritz Werner Lmt Bengaluru	14/06/2019	30/06/2019	02 Pradhyumna U.R Sharath K.J
Internship	Industry	Central workshops, south western Rail way, myosre	20/02/2019	25/02/2019	02
Internship	Industry	TECHNOOPS Pvt. Ltd, Mysore	03/01/2019	03/02/2019	02
Internship	Android Application Development	BITPOS Solutions LLP, Mysore	08/01/2019	08/02/2019	01
Internship	An Eco - Green Informative and Order Processing System	SVACHALLAN Bangalore	05/01/2019	05/02/2019	08
Internship	Project Training	LT Technology Services mysuru	05/07/2018	03/08/2018	04
Project work	Project Training	Ideonix Solutions, Smile technologies, Venus Softtech, Syscon Infotech, Ignyte Infotech, IMPEX Technology, Tech Centrix, Webedge Technologies, System Softwares, Tech Novice Solutions, I Cube Soft Technologies, Big Bytes, Greasers Solution, Techno	01/01/2019	20/06/2019	59

Internship	Training	LT Electrical Automation, Nivedhana Technologies Pvt Ltd,SVAC HALLAN LUTIONS Pvt Ltd, BITPOS SOLUTION LLP, IELLIPSE Technologies , Continental Automotive, Lowe's Company, Kidvento Education and Research Pvt Ltd, RVG technologies , Qspiders Cam	01/07/2018	30/08/2018	31
Projects	INDUSTRY INSTITUTE PR OGRAMME(Civi l)	BAI, MYSORE, METRO, NIRMITHI KENDRA , PWD, KUWSSB	10/01/2019	09/02/2019	120
Internship	Internship	L T Technology Services, Epark, Siemens Technology PVT LTD, Dsoft Systems, Continental PVT.LTD, Dcompiler, Intel PVT LTD, Continental PVT.LTD NEXUS, Dsoft Vision, Lowe's Service India PVT LTD, Epark, Trill tale, CLIFF'S Damodar Valley	10/01/2019	09/02/2019	45

		Corporation,			
Internship	Internship	AXISCADES, FACE	10/01/2019	09/02/2019	5
Internship	Internship	Continental, Lowes internship	10/01/2019	09/02/2019	9
Internship	Internship	AXISCADES	10/01/2019	09/02/2019	1
Internship	Internship	FACE	10/01/2019	09/02/2019	1
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
VLSI Guru	20/07/2018	Training on VLSI Design and Embedded System	150
Vumigrate Migration and Education Consultants India Pvt Ltd. A: suite 211, Eva Mall, 60 Brigade Rd, Bangalore	25/10/2018	Provide the Services to the interested students of the institution through its staff at the premises of the institute. Train Staff members nominated by the Institution in the curricula involved in the provision of the Services. Staff members actively	120
Infosys Bangalore	23/12/2018	Create a project bank for final year students. Publish Infosys courseware On the Web and provide access. Conducting special lectures for students at campuses. Participate in the Conferences at the national/international level in the college/Seminars/	150
Think cell Learning Solution india Pvt Ltd	25/10/2018	Graduate Aptitude Test in Engineering ("GATE") training	383
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**CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES**

#### 4.1 – Physical Facilities

##### 4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
468.33	252.33

##### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Video Centre	Existing
Video Centre	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Campus Area	Existing
Class rooms	Existing
Class rooms	Newly Added
Laboratories	Existing
Seminar Halls	Existing
Seminar Halls	Newly Added
Classrooms with LCD facilities	Existing
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Existing
Seminar halls with ICT facilities	Newly Added
No file uploaded.	

#### 4.2 – Library as a Learning Resource

##### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
KOHA	Fully	16.04	2017

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	87342	18640352	854	456231	88196	19096583
e-Books	450	350000	21100	2100000	21550	2450000

Journals	104	330000	78	205713	182	535713
e-Journals	6000	2100000	7395	2100000	13395	4200000
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	Nil	Nil	01/07/2019
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1000	8	1	1	10	13	993	100	181
Added	294	2	0	0	2	2	85	100	35
<b>Total</b>	<b>1294</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>12</b>	<b>15</b>	<b>1078</b>	<b>200</b>	<b>216</b>

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS
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##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
EResource	<a href="http://www.pescemandya.org/library.php">http://www.pescemandya.org/library.php</a>
ECapAdmission of Students	<a href="http://192.168.13.11/ecap">192.168.13.11/ecap</a>
3) FeedbackStudents	<a href="http://Faceback.anaghalabs.com">Faceback.anaghalabs.com</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
115.85	46.35	109.5	65.6

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

<p>Policy details of systems and procedures for maintaining and utilizing physical, academic and support facilities The institution has very well established policy for maintenance of physical, academic and support facilities. The college has designated officers for overseeing to look after the development of campus facilities and its maintenance. The estate officer</p>
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takes care of entire campus. The Academic, laboratories and classrooms are the look after of individual department/programmes HoDs. With regard to Support facilities System administrators for computers internet wifi maintenance, library staffs for library maintenance, gardeners for campus greenery maintenance, Physical education director, Sports complex director and secretary for institution sports activities and sports complex maintenance exists.

Maintenance of Infrastructure :

- Building Division: This committee is established under civil engineering department through which most of the new buildings with modern amenities are constructed and repairs/ maintenance of buildings of the institute infrastructure are taken care.
- Laboratory and Workshops: All the engineering departments have their one laboratory. Each of the laboratories is equipped with sufficient tools and devices. All the tools and devices are well maintained by the instructors, lab technicians and mechanics with the help of the helpers.
- Library: The library committee will take care of maintenance and need of books, journals, ejournals, magazines, news papers etc. In addition to this, each department has their own library and that is taken care by respective HoD.
- Sports and Cultural: The sports complex has an exclusive committee which takes care of overall sports complex amenities and activities. The institute has a physical education director who takes care of overall sports activity. The sports committee will take care of the maintenance of sports amenities at regular intervals. The individual departments have got their own sports and cultural committee.
- Computers and networking: The institute has a system administrator and assistant system administrator to look after hardware and software of the computers. They also take care of networking, wifi, ICT facilities (classrooms, seminar halls, auditorium, etc) in the entire campus.
- Classrooms, Seminar halls, Auditoriums are utilized for regular teaching learning process, training and for carrying out examinations. Further, maintenance is being regularly monitored and maintained under the supervision of the estate officer.
- The electrical and electronics department takes care of overall electrical works and generators in the entire campus. The college has its own power generator as backup power supply for the departments, exam section and hostels.
- Exam section: The CoE takes care of the autonomous exam section, where the database of overall exam section is managed by the coordinator and database administrator
- The placement and training Cell: The placement and training officer provides the required amenities to carry out the training placement activities smoothly. The garden department of the institute maintain the gardens to keep the campus green. The garden department is also responsible to maintain the entire campus clean and tidy.

<http://www.pescemandya.org/facilities.php>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	PESCE Merit Awards	40	30800
Financial Support from Other Sources			
a) National	Fee concession scheme (201819), Government of Karnataka Scholarships: 1) BCM Scholarship 2)	1910	42434270

	SC/ST Scholarship 3) SC/ST Scholarship		
b)International	Nil	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Yoga, Meditation, Human Values, Professional Ethics, Personal Counselling - Induction programme	16/08/2018	643	IQAC, PESCE Mandya
Soft skill development	16/08/2018	643	Placement Training
Remedial Coaching	10/10/2018	112	ECE, PESCE Mandya
Supplementary Semester classes	10/06/2019	150	All Departments of PESCE
Personal Counselling and Mentoring	16/08/2018	2793	All Departments of PESCE
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	GATE Coaching	356	135	9	9
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
24/7, 6D	380	281	Nil	Nil	Nil

Technology,  
6th energy,  
Accord  
Software,  
Ad2pro,  
AXISCADES,  
Benz,  
Capgimini,  
Capital Aim,  
Codilar,  
Cognitive  
clouds  
software pvt  
Ltd,  
cognizant,  
Continental,  
EY ELEVATION,  
Face, Global  
Edge, Global  
logic,  
Gokaldas  
Exports  
Limited,  
HCL, Info

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	4	201819 PESCE, Mandya	EEE	NIE, Mysuru	M.Tech
2018	15	2017-18 PESCE, Mandya	CSE	PESCE, Mandya RV College of Engineering	M.Tech
2018	2	2017-18 PESCE, Mandya	ISE	Applied for 2 universities University of Calgary (York University University of Leicester, England	M.S

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	10

GRE	1
Any Other	1
<a href="#">View File</a>	

#### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Cultural fest Gnana Cauvery	Institution	450
CRICKET, SJCE MYSURU	Institution	15
Anveshana (State level Project exhibition)	Institution	1
HACKATHON , VVCE, Mysore, March, 2019	Institution	5
Quiz Hack in Hackmania 1.0 (Hackathon)	Institution	6
Quiz Hack in Hackmania 2.0 (Hackathon)	Institution	9
Ball Badminton	National	8
Tennis	National	6
Volley Ball	National	12
Cricket	National	15
Foot Ball	National	15
Ball Badminton (M)	National	8
Ball Badminton (W)	National	8
Ball Badminton (W)	National	8
Volley Ball	National	12
Ball Badminton (M)	National	8
Kabaddi	National	12
Basket Ball	National	12
KhoKho	National	12
Volley Ball	National	12
Hand Ball	National	12
Ball Badminton	National	8
Basket Ball	National	12
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### 5.3 – Student Participation and Activities

#### 5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Kala Tapasvi, Oviya	National	Nil	1	4PS17MCA81	Shashank Bharadwaj

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### 5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students representation on Administrative bodies All disciplines of Engineering of all semesters have students class representatives for each division who generally will put across all the issues connected to the teaching methodologies, processes and express their difficulty if at all in any subject in the class representative meeting with the Head of the Institute. New thought process which could be inculcated are also suggested by students but the final call on this issue is taken by the subject teacher, course coordinator and the board of studies. Students also give suggestion on state of art equipments which could be introduced in laboratories etc. Feedback is taken from the students so as to improve the overall academic processes and setup. Students representation on Academic bodies Students are also Members of Board of studies and they are actively involved while framing the curriculum. They take active part in Departmental level discussions and meetings concerning curriculum and give suggestions on many subjects. Many innovative suggestions are shaped and subjects which are of relevance in the industry are also included due to the involvement of students. These are further taken up for discussion in the final board of studies before freezing the curriculum. Student's representation on IQAC A Student member is involved in IQAC Board. In General, The students are included in various bodies with additional responsibilities at department and institution level as mentioned below.

- Participation in academic / curriculum review through course end survey
- Department associations - Students administrative body for the conduction of curricular/ co curricular and cultural activities at the department level
- SAE PESCE Student Section (Collegiate club) Students administrative body for the conduction of technical activities at the department/institute level
- Gnana Cauvery Students administrative body for the conduction of curricular/ co curricular and cultural activities at the institute level
- Technical Association students conduct workshops, seminar and guest lectures.
- Placement Committee - Students with the assistance of placement officer conduct the placement activities every year during the campus placement.
- Sports Cultural Committee - Students form a committee under the sports committee through which they conduct annual sports meet and also participate in various regional, national and international competition.
- Anti Ragging committee - The students create awareness about the anti ragging policies of the institution to the new comers. They keep monitoring for any untoward incidents which may lead to ragging in the campus
- IEEE Student Branch - Conduct regular workshops, conferences, seminars and guest lectures.
- Hostel Committee - They keep track of the hygiene aspects of the hostel. They also monitor the food which would be served in the hostel and reduction of wastage. They also take care of recycling of wastage food every day.

The role of student representatives in improving the activities of various clubs in curricular and extracurricular aspects of the institution play vital role in Feedback, Suggestion to Associate committee. Also they Disseminate the information from the college administration to all students Organize technical, nontechnical and social events.

## 5.4 – Alumni Engagement

### 5.4.1 – Whether the institution has registered Alumni Association?

Yes

PESCE alumni have started various chat groups/clubs at different parts of the globe. Some of the active groups which are in touch with alma mater in one or the other way PESCE Alumni Bangalore chapter, Telugu Club USA club The

following activities are conducted by the alumni association • Membership drive • Alumni meet • Academic and Placement support activities • Infrastructure support /Scholarships/Endowments • Social activities • Felicitations

Membership: The institute keeping tracking of alumni has happened systematically. The alumni were contacted through: • Peer drive • Tell a friend • Ledger data • Face Book call • LinkedIn Call • Departmental data Exclusive website (maintained by M/s Fourth Ambit). A campaigning to enhance the numbers is made in Chapter meets, departmental alumni meet and General body. Academic: The academic activities involve: Mentoring students for academic excellence and career selection During First year orientation programme. Curriculum design -Through BoS of each department Invited talks/workshops from Alumni -through Placement cell to deliver expert talks and conduct Workshops for students. Acting as catalyst in IndustryInstitute and InstituteInstitute partnerships through placement training activity, Conducting Mock campus selection process Project mentoring - Faculty members connect alumni and present students for project work and career mentoring. Guest to College events - Alumni were invited as guests to college level and department level events to get motivated/inspired by their achievements Infrastructure support: Provide financial support to infrastructure development. Endowment scholarships are provided by a Alumni for top rankers Social : Alumni visit alma mater with family on weekends and go around the campus. Alumni visit departments frequently to have informal chats with faculties and non teaching staff. Alumni share their important events of their life with faculties and invite faculties for personal social gatherings.

5.4.2 – No. of registered Alumni:

1185

5.4.3 – Alumni contribution during the year (in Rupees) :

325000

5.4.4 – Meetings/activities organized by Alumni Association :

Yes. In our institution all the departments have their individual alumni association and each department conducts alumni activities once in a year.

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

To become a Technical University of highest Standards through consistent development, the Vision, Mission, Quality policy and Core values of the institution is in tune with the objectives of technically sounded higher education in India. Vision "PESCE shall be a leading institution imparting quality engineering and management education developing creative and socially responsible professionals." Mission • Provide state of the art infrastructure, motivate the faculty to be proficient in their field of specialization and adopt best teachinglearning practices. • Impart engineering and managerial skills through competent and committed faculty using outcome based educational curriculum. • Inculcate professional ethics, leadership qualities and entrepreneurial skills to meet the societal needs. • Promote research, product development and industryinstitution interaction. The phrase, "Professionally Excellent, Socially Committed Engineers" is worth using as a punch line to designate the team of PESCE including the students, who contribute for the institutional development. The core values of PESCE are professionalism, Efficiency, Synergy, Commitment and Ethics. Governance The institution has Board of Governors [BOG], to monitor and mentor the activities of the overall

development of the institution. The BoG has the Chairman, members, AICTE Nominee, GoK Nominee, VTU Nominee, UGC Nominee, Staff representative, Principal of the institute as the Member Secretary. Departments play pivotal role in the development of the institution. Hence each department formulated their vision, mission, short, mid and long term goals. The implementation plan for the departments reflected all details of resources needed, leader responsible with Head of the Departments. The above statements of vision, mission and quality policy and core values were deliberated, reframed and approved by BoG. Faculty participation: Faculty are participated in various decision making bodies of the Institution, such as ? Governing Body ? Finance Committee ? Purchase Committee ? Building Works and Campus Maintenance Committee ? Transport Committee ? Institute Web Site Design and maintenance ? Research and Development Committee ? Placement Training Centre ? Sports and Extra Curricular Activities Committee ? Academic Council ? Board of Studies ? Departmental Under Graduate Committee (DUGC) ? Departmental Academic Appeals Board (DAAB) ? Alumni Committee ? SC / ST Cell ? Hostel Committee etc., Student's Choice: Through Choice Based Credit System, Students are given freedom to choose the elective as well as open elective courses offered. Students can have freedom to transfer credits earned through online courses like NPTEL, MOOC, Swayam etc., Further, they have been provided with adequate support to choose their career as Entrepreneur / Higher studies / placement /GATE etc., preparing for competitive examinations. Students have been given enough representation in the highest decision making bodies like Academic council, Internal Quality Assurance Cell and Board of Studies. Students are also empowered to play an active role of cocurricular and extracurricular activities, IEEE, ISTE, Red Cross, NSS social service group etc., as a member or coordinator.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	Curriculum Development: Board of studies and Academic Council are formed comprising of representatives from universities/ Institutions, industries, Alumnus of the institute, experts from VTU and student. As per the Washington Accord, the curriculum is revised to adopt Outcome Based Education (OBE) along with Choice Based Credit System (CBCS). At the time of revision of curriculum as per the need of stakeholders, the Bos of every department conduct the meeting and discuss thoroughly and finally get the approval from academic council with modifications, if needed.
Teaching and Learning	Teachinglearning: A studentcentric learning process is followed by the institution. Students are encouraged to utilize library and elearning facilities. The faculty are used innovative and creative methods for the delivery of the curricula using ICT

facilities along with chalk and talk method. Faculty may use different methods like Power point presentations, NPTEL Videos, QEEE Classes, Case studies, Simulations techniques and laboratory experiment demonstration. Topics on technologies related to current state of the affairs and hands on training are also made available for students, faculty and staff as and when proposed.

**Examination and Evaluation**

**Examination and Evaluation:** a) CIE Continuous Internal Evaluation to be conducted by the subject teacher, include minimum 2 Tests, Quiz and assignment by alternative assessment tools such as assignments, problem solving, group discussions, seminar, miniproject and other means. b) SEE Semester End Examination to be conducted as per the academic calendar. Both CIE and SEE have equal (50:50) significance. The result of a course shall be judged by CIE and SEE marks. CoE will take all responsibilities from Registration, Eligibility list, Hall ticket generation, Conduction of examination, Evaluation of answer scripts, Moderations and declaration of result.

**Research and Development**

**Research and Development:** The institute has a separate PET research centre, which provides significant contribution for the research among the student and faculty. The faculty members are encouraged to acquire higher qualifications. The faculty are provided incentives for publishing research articles in peer reviewed journals in National International conferences. Ample Doctorates (Ph.Ds) are produced in the field of Science Technology. About five hundred papers in peered journals and Six hundred research articles in international and national conferences are published. Presently about 150 research scholars have registered under PET research centre to acquire Ph.D and M.Sc engineering.

**Library, ICT and Physical Infrastructure / Instrumentation**

**Library, ICT and Physical infrastructure/Instrumentation:** our library information centre has well established infrastructure with modern amenities. It has separate section for books, periodicals, journals and reference. It also provides e resources



for Reading, Circulation, Reference etc., For class rooms ICT facilities are adopted. The institute good infrastructure having separate buildings for individual departments with laboratories, seminar hall and class rooms, an administrative block with principal chamber, office section, examination section, a separate training and placement centre, a canteen, a class room complex, two auditoriums, basic science departments, PET research centre, a sports complex, aquatic centre, cricket stadium etc.

Human Resource Management

Human Resource Management: Most of the administrative work is decentralized. Administrative officer, in addition to all the official correspondence with government and university, also look into the office correspondence related to salary, attendance monitoring, leaves etc., Dean academic look into curriculum design and development, Dean Research look into registration and research activities, Controller of examination look in to examination and evaluation process, Coordinators of different committees, HoDs, student welfare officer, hostel wardens, estate officer, librarian, physical education director and office bearers different committees look after the responsibilities given by the principal or management.

Industry Interaction / Collaboration

Industry Interaction / Collaborations: The IndustryInstitute Interaction Cell (IIIC) of the college, under the supervision of Dean, promotes the close interaction of various industries with different departments of the institute. The IndustryInstitute Interactions have been made compulsory to enhance the field experience among the students. In order to enhance creativity and innovation, students are encouraged to undertake Mini Projects and Major Project and Industrial visits / interaction are included in all undergraduate and postgraduate programs. The faculty and students also participating in collaborative work with industries on innovative projects and research. It also helps to take up consultancy with industry.

Admission of Students

Admission of students: The admission of students to various UG PG degree

programmes are as per the guidelines issued by the State Government /University / AICTE norms/Policies like CET, COMEDK, GOI, SNQ and Management. The qualified diploma candidates are eligible to join as Lateral Entry at the beginning of the second year for third semester B.E. UG programmes as per the University norms. The students can migrate from one branch or specialization to another branch or specialization at the same College or at another Autonomous/ Affiliated College under the University at the beginning of the second year for third semester following the AICTE/VTU/State Government norms.

### 6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Planning and Development: Partially, the e-governance for Planning and Development is being practiced for communication and other aspects with the concerned
Administration	Administration : The e-governance for Administration is being practiced partially through ECAP software for communication and other aspects like • Academic Management • Faculty and Students information
Finance and Accounts	Finance and Accounts: The e-governance for Finance and Accounts is being practiced through Tally software for correspondence.
Student Admission and Support	Student Admission and Support: The e-governance for Student Admission and Support is being practiced through ECAP, KOHA software and College web portal (www.pescemandya.org) for communication and other aspects • Admission - collection of Students information • Library Management • Training and placement information • Faculty and students information
Examination	Examination : The e-governance for Examination is being practiced through ECAP software and College web portal (www.pescemandya.org) for correspondence. • CoE Administration - ? Circulars ? Notices ? results etc., • Examination process • Issue of certificates

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr. H V Ravindra	Two Workshop on Outcome Based Education and NBA	Uma Nath Singh Institute Technology, Jaunpur, Uttar Pradesh	17420
2019	Dr. H V Ravindra	Workshop on Outcome Based Education and NBA	Discuss the Training Faculty Member	24540
2019	Pavan K N	Workshop on Heat Exchangers Design and Performance Evaluation in Power and Plants Process Industry	ESCI Hyderabad	7183
2018	Dr. Mahesh Gowda N M	Workshop on Emerging Technologies in shorts range Wireless Communication	RVCE, Bangalore	6500
2019	K Ravi	Workshop on New Web based PMSS software	BMS College of Engg. Bangalore	16000
2018	Dr. D R Umesh	2 days Workshop on Outcome Based Education and NBA	Uma Nath Singh Institute Technology, Jaunpur, Uttar Pradesh	17420
2018	Girish Babu M C	2 days Workshop on Outcome Based Education and NBA	Uma Nath Singh Institute Technology, Jaunpur, Uttar Pradesh	17419
2019	Dr. D R Umesh	5 days Workshop on Tra nsformation l Leadership for Organizational Excellence	Portblair	76655
2019	Girish Babu M C	5 days Workshop on Tra nsformation l Leadership for Organizational Excellence	Portblair	73255

2019	Kodandaram	Workshop on Library Technology Conclave	Cochin University of Science and Technology, Cochin	10559
2018	Dr. Shivalingegowda	Workshop on FDP for Student Induction Program	AIT Bengaluru	6000
2019	Dr. Shivalingegowda	Workshop on Radiation and Application	IIT Hyderabad	13960
2019	Pooja Nagpal	Workshop on Training on SPSS AMOS	DAHS, Manipal	15110
2019	Chandrika R	Workshop on Econometrics Tools Business Research	School of Management, Pondicherry University	14217
2019	M.S. Mahesha	Workshop on New Web based PMSS software	BMS College of Engg. Bangalore	16000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Computer Aided Engineering Drawing (CAED)	Nil	01/06/2018	01/10/2018	35	Nil
2018	Application of MATLAB PLC in Electrical and Electronics Engineering	Nil	01/06/2018	01/10/2018	25	Nil
2018	Industrial oriented Hardware design workshop	Nil	01/05/2018	23/09/2018	40	Nil
2018	Project Management	Nil	04/06/2018	04/07/2018	58	Nil

2018	Designing IOT Application using NODEMCU	Nil	04/06/2018	04/07/2018	30	Nil
2018	Project Based Learning	Nil	29/10/2018	31/10/2018	150	Nil
2018	Skill Development (FACE)	Nil	21/09/2018	22/09/2018	100	Nil
2018	Machine/ Deep Learning with MatLab	Nil	23/09/2018	24/09/2018	131	Nil
2019	Blockchain Technology Cloud Computing using amazon Web Service	Nil	21/01/2019	25/01/2019	91	Nil
2019	Technical Symposium on Women and Technology	Nil	09/03/2019	09/03/2019	120	Nil
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Artificial Intelligence, Machine Learning and deep learning	5	23/07/2018	27/07/2018	5
Machine Learning	5	12/07/2018	17/07/2018	6
Autodesk Fusion 360	3	28/01/2019	01/02/2019	5
Blockchain Technology Cloud Computing using Amazon Web Service	6	21/01/2019	25/01/2019	5

Applications of Data Science Internet of Things	7	07/01/2019	12/01/2019	6
"Big Data Analytics with IoT"	5	18/01/2019	20/01/2019	3
Workshop on "REVIT Architecture"	29	30/10/2018	30/10/2018	1
Workshop on "Research Literacy: Academic Writing, e resources and research quality indicators"	8	22/09/2018	22/09/2018	1
Aspire Ideate synchronize widen thoughts capture the goal	4	28/09/2018	30/09/2018	3
Nanotechnology development and challenges	3	24/06/2019	30/06/2019	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
141	66	96	103

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
? Contribution for employees provident fund scheme ? Gratuity paid as per Gratuity Act for Staff members ? Deputation of faculty for Ph.D/Post Doctoral research with leave benefits ? Leave encashment benefit for employees ? Maternity leave given to the lady faculty members ? Paternity leave given to the gents faculty members ? Special leave to attend	? Contribution for employees provident fund scheme ? Gratuity paid as per Gratuity Act for Staff members ? Leave encashment benefit for employees ? Maternity leave given to the lady faculty members ? Paternity leave given to the gents faculty members ? Maternity leave given to the lady faculty members and staff ? Loan facilities from welfare fund ? Financial	? Financial support to the students to attend the Seminars, Conferences, Competitions. ? Scholarship for the meritorious and weaker section students. ? Financial support for project, research work and competitive exams like GATE coaching. ? Financial support for sports and cultural activities

conferences, FDPs, workshops, seminars and symposia. ? Special leave to participate in academic bodies like BoS, BoE, Doctoral committee, etc., ? Provides financial aid and leave benefits to encourage for presenting their research papers ? Loan facilities from welfare fund(s)

assistance for training programs for their promotions ?  
Encouragement to attend workshops and seminars with leave and financial benefit.

## 6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes, The institution, regular intervals, carryout both internal and external audits by certified chartered accountant appointed by the management. The institution has a predefined mechanism for internal and external audit. • Internal audit is conducted by the internal auditor of the Institute once in a year. • External audit is conducted by the chartered accountant once in a year. The income and expenditure details of the institution under various heads are regularly maintained using Tally and a day book is separately maintained showing the statement of accounts. Internal audit of our institution account is conducted by a chartered accountant appointed by the management every year at the end of financial year. The Institution identified Chartered Accountant is conducting the audit of our institution. The auditors check and verify the financial accounts every month and at the end of the academic year overall financial audit for the complete year is conducted. Since our institution is aided by Govt. of Karnataka, apart from the internal audit, the Auditors from Govt. AG office conduct the external audit every year.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Alumni fund, Donors' fund, Research fund	900000	Student's best project award, Students activities of alumni associations of each department, Meritorious awards, Best chapter awards etc.,, Paper publications and expenditure towards Ph.D, Registration fee for participation in conferences
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6.4.3 – Total corpus fund generated

10325000

## 6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External	Internal
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	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AAA Committee	Yes	AAA Committee
Administrative	Yes	Govt./VTU	Yes	Internal Audit by Chartered Accountant

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

• Every year, on orientation day itself parents of first year B.E. students meeting will be conducted along with HoDs and faculty in the respective department to brief about the facilities in the college and the responsibilities of the parents about their wards. • Every year, on graduation day itself parents of final year B.E. students meeting will be conducted along with HoDs and faculty in the respective department to collect the feedback and suggestions about the college and respective programme and department on the basis of their wards input. • Mutual interaction will take place between the parents and teachers/HoDs/Deans/CoE/TPO, etc., on the academic performance and activities of their wards as and when they visit the college. • Head of each department/respective committee members are keeps constant with the parents for updating them about the progress of their wards. Mutual interaction will take place between the parents and teachers/HoDs/Deans/CoE/TPO, etc., on the overall performance and activities of their wards when they visit the college on the occasion of college cultural/sports fest(s).

6.5.3 – Development programmes for support staff (at least three)

? Three days workshops on "Web Technology and its Application" from 16072018 to 18072018 ? Three days workshops on "Network System Administration" from 16012019 to 18012019

6.5.4 – Post Accreditation initiative(s) (mention at least three)

a. Submission of reports for nirf Ranking : obtain 161th Ranking b. Introducing soft skill, elective and open elective courses for B.E programmes c. Effective Annual Academic Audit for the faculty from the committee with management and external subject experts d. Revision of curriculum and modification in Question paper pattern e. Enhancement in infrastructure for class rooms and refurbishment of laboratories with ICT facilities. f. Procurement of modern equipments for laboratories and workshops

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Induction Programme for 1st B.E Students	16/08/2018	16/08/2018	02/09/2018	645
2018	Academic A dministrativ	14/09/2018	14/09/2018	15/09/2018	141



e Audit					
2018	Introduction of choice based system with OBE for UG programs	30/11/2018	30/11/2018	30/11/2018	25
2018	IQAC	03/09/2018	03/09/2018	03/09/2018	18
2018	Womens Day Celebration 2018	01/10/2018	01/10/2018	01/10/2018	100
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women Empowerment in Today's Era	01/10/2018	01/10/2018	300	Nil
Blood donation camp- PESCE	30/10/2018	30/10/2018	50	170
Trekking camp- at Mullayanagiri, Chichamagalur, .	11/11/2018	11/11/2018	18	34
Swachh Bharath Abhiyaan - "Harm caused by plastic".	25/03/2019	25/03/2019	30	30
Voluntary Blood Donation Camp	04/04/2019	04/04/2019	30	150
"International Yoga day"	21/06/2019	21/06/2019	30	70

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

#### Percentage of power requirement of the University met by the renewable energy sources

To have a pollution free environment and to meet the scarcity of electricity we have planted solar plants in the campus and maintain environment consciousness. Solar Energy: Estimated total power consumption in the college is 60000 units/month. The institute has commissioned 240 kW roof top solar PV plant in Golden Jubilee Block and Hostel buildings. Approximately 30000 - 36000 units of power is generated per month which is the saving in consumption of electric power. Environment Consciousness: Yes Green Audit is conducted by both Internal and

External Agencies. The methodology and implementation of the green audit findings are recorded in a manual. Institution maintains a clean and green environment within the campus. The Institution ensures the green environment by establishing a separate maintenance department. The maintenance team takes care of the upkeep of the environment and ensures to keep the surroundings clean.

It maintains the lawn and plantations by employing gardeners and the cleanliness has been maintained by employing sufficient number of sweepers. The maintenance staff members do periodic checks and maintain records for the same.

The green audit of the campus and its facilities is a regular event in this Institution. Our Institution takes more interest in maintaining the campus highly eco friendly and energy conservative. The campus looks green by planting more trees which ultimately gives a pleasant feeling for the students to learn and for the faculty members to work. Many initiatives are taken by the management to inculcate the ecofriendly culture among the student community  
 Campus ecofriendly ? Use of Renewable Energy ? Water Harvesting ? Plantation ?  
 ewaste Management The greenery in the campus aids in soil quality protection, watershed, landslide stabilization erosion control, and windbreaks. Such plantations are established to foster native species and promote forest regeneration on degraded lands as a tool of environmental restoration. The college is surrounded by ample greenery along with artificial landscaping in the heart of the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	No	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	No	Nil
Rest Rooms	No	Nil
Scribes for examination	Yes	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	3	22/10/2018	1	Women's Day Celebration	Creating an awareness on the capabilities and imp	250

						ortance of women	
2018	1	5	01/11/2018	5	Internet awareness Program for Rural areas	Creating awareness on Internet	400
2018	1	3	21/06/2019	1	"International Yoga day" "Asanas". "Yogasanas"	Importance of Yoga	100
2018	1	2	17/08/2018	1	Flood Awareness Walk	Awareness about flood	150
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#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Academic Regulations for the students	16/08/2018	Implementation and follow up is regularly taken up by the HOD's, Dean administration, Dean Academics and Principal
Examination regulations for the faculty and students	16/08/2018	Implementation and follow up is regularly taken up by the HOD's, Controller of Examination, Dean administration, Dean Academics and Principal

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Revamping Academics to intensify the Knowledge	25/06/2018	30/06/2018	55
Induction Program Universal Human Values, Personality Development, Yoga and Meditation	16/08/2018	02/09/2018	645
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- i. 1. Green Audit ii. 2. Rain Water Harvesting iii. 3. Use of Renewable Energy  
iv. 4. Afforestation v. 5. Waste management 6. Generation of Bio Diesel 7. Mobile and Smoke Free Campus

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

Best Practices: • Curriculum Design and Development: As per AICTE and NBA guidelines and Washington Accord, we have implemented choice based credit system (CBCS) with Outcome Based Education (OBE). To cater the academic needs of students with latest technologies, the syllabus has been revised at regular intervals on par with industry. The faculty and students are encouraged to register for MOOCs Courses like NPTEL, Swayam, etc., • Examination System: The examination system has been modified to make it more transparent both in Continuous Internal Evaluation as well as Semester End Examination. We are providing viewing of answer scripts in both CIE and SEE before the announcement of results of UG and PG programmes. In case of any discrepancies found by the students are addressed at DUGC and DPGC meetings held in the respective departments and same has been sent to the CoE office for approval. Finally the results will be announced within a week after the final examination of the respective programme. • Training and Placement activities: The institute has an independent training and placement cell, which exclusively train our students to acquire Technical/soft skills through different mandatory credit courses from I Sem to VI Sem BE and also placement activities. Rigorous trainings are conducted by outsourced resource persons so as enable the students to develop various skills to get placed in reputed companies. • Training programs for faculty/Staff/Students: To acquire knowledge about current trends in Science and technology, the Institute conduct various Seminars/ FDPs/ SDPs/ Conferences/ Workshops etc., regularly for students, faculty and staff. To gain the knowledge about recent developments in industry, IndustryInstitute Interaction Programs are conducted in the campus and also Projects are done by the students from different Industries. Faculty and students are also carried out their research work in collaboration with Industries and Institutions with incentives. • Annual Academic Audit: An Annual Academic Audit (AAA) committee has been constituted by management and Principal with Subject experts. Every year in the month of August / September AAA conduct Interaction with Faculty on the basis of SelfAppraisal Report submitted by them. Experts discussed about the grievances and gave the suggestions for the improvement of Academic activities of the faculty.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.pescemandya.org/IOAC.php>

## 7.3 – Institutional Distinctiveness

### 7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

PES College of engineering established in the year 1962 is ? An Autonomous Institution affiliated to VTU Belagavi ? Obtained academic autonomous status in the year 2008 by UGC and is currently in force ? Grant in aid institution by Government of Karnataka ? Recognized by AICTE New Delhi ? Funded Under TEQIP III by World Bank MHRD with Rs.10.00 cr. and 7.70 cr. ? Accredited by NAAC with B grade having CGPA of 2.99 during 2018 ? Thrice Accredited by NBA, AICTE New Delhi for UG programmes ? Ranked as 161st Rank by MHRD under nirf2019 UG Programs of the institute have been accredited twice by NBA (AICTE) (during 2004 2008). Further, Six UG programs have been accredited under Tier I during 2017 for the third time. Centers of excellence established by the institution facilitate the necessary infrastructure for the students/faculty to develop avenues for carrying out and executing innovative ideas through projects and research works. These centers provide ample opportunity for the students and staff to comprehend the latest industry practice and upgrade their knowledge

through industry relevant projects. The Institute has established its distinctive approach towards its complete Vision by (a) Excellence in Academics provide valueadded experience for the students achieved by well designed curriculum to meet the global requirements and through teachinglearning methods blended with ethical values. The structured induction of the student into the curriculum enables to visualize the career opportunities and the approach towards achieving them. (b) Exploration of Knowledge through Research has transformed into a centre for major research to offer high quality teaching through • Synergies between Research Education Activities • Research Based Teaching Learning The institute provides the knowledge regarding cutting edge technologies, enabling the students to carry out interdisciplinary research.

The Research Centers of the departments and Laboratories are equipped for advanced technology to facilitate the academic and sponsored research projects.

(c) Encouragement to Innovation Entrepreneurship provides a platform to Startups to develop their ideas into commercially viable products. The student's participation in innovative minor and major projects is rewarded.

PESCE encourages the stakeholders to incubate the selected projects for Patents/Startups and infrastructure based on their credentials. Industry Institute Interaction Cell crucially works on generating the excitement in the young engineering brains to produce innovation and thus laying the stones for entrepreneurship. (d) Development of a Versatile Personality with Global Vision and Social Responsibility through student's participation in CoCurricular Activities and Extra Curricular Activities steered by professional bodies and student associations and valueadded education with global standards interdisciplinary research. Experiences and appreciations gained through these activities academics assist students during internships. Career guidance, Personal counselling, Training are well structured through a Training and Placement Centre. Further, Institution follows a multi level evaluation process to support a continual renewal by ? Self Appraisal by Teaching and Administrative Staff ? Peer Evaluation Process of Student Evaluation ? Academic Audit ? Stakeholders Feedback ? Management Appraisal

Provide the weblink of the institution

[http://www.pescemandya.org/about\\_college.php](http://www.pescemandya.org/about_college.php)

## 8.Future Plans of Actions for Next Academic Year

Institute also has a vibrant Industry Institute Interaction Cell, and a fullfledged Training and Placement Cell. Our alumni are found in several blue chip organization in India and abroad. We have following future plans of action: ? Encourage the faculty for Mobilization of research fund by applying projects through various funding agencies. ? MOUs with different institution on Collaborative Research Work and Publication of research papers in reputed journals ? Establishing single window management Information System for collecting the information through online. ? Establishing a common network system for feedback from all stakeholders. ? Prepare a common questionnaire to conduct Student Satisfaction Survey (SSS) for every year and data must be analysed ? Faculty must upload the reading materials in our college web portal. Modernization of laboratories. Provide education that meets the global standard and be responsive to educational need of the students. Exchange of faculties and best practices to bring a holistic learning experience. Provide the necessary infrastructure and seed fund for incubating the ideas. Strengthen the campus wide networking for digital communication and access. Upgradation of central library facilities. Improvement of quality of faculty publications.